

FIG. 1

upper portion of the system, the system is divided into two main sections. The upper portion is the video input section, and the lower portion is the video output section. The video input section includes a video camera 12, a video switch 14, and a video switch 16. The video output section includes a video switch 18, a video switch 20, and a video switch 22. The video switch 14 is connected to the video camera 12 and the video switch 16. The video switch 16 is connected to the video switch 18. The video switch 18 is connected to the video switch 20. The video switch 20 is connected to the video switch 22. The video switch 22 is connected to the video output section. The video output section includes a video camera 12, a video switch 14, and a video switch 16. The video switch 14 is connected to the video camera 12 and the video switch 16. The video switch 16 is connected to the video switch 18. The video switch 18 is connected to the video switch 20. The video switch 20 is connected to the video switch 22. The video switch 22 is connected to the video output section.

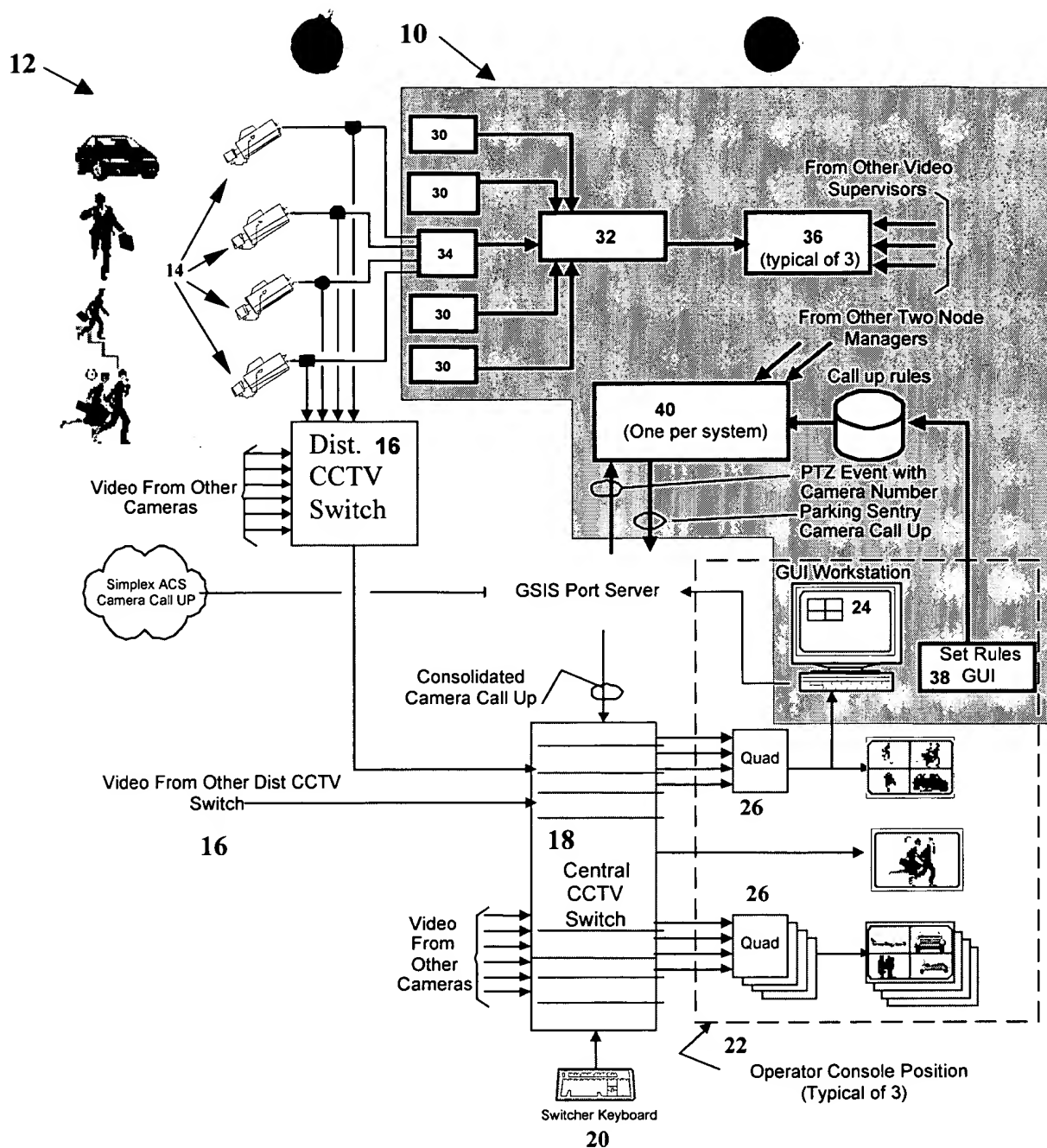


FIG. 2

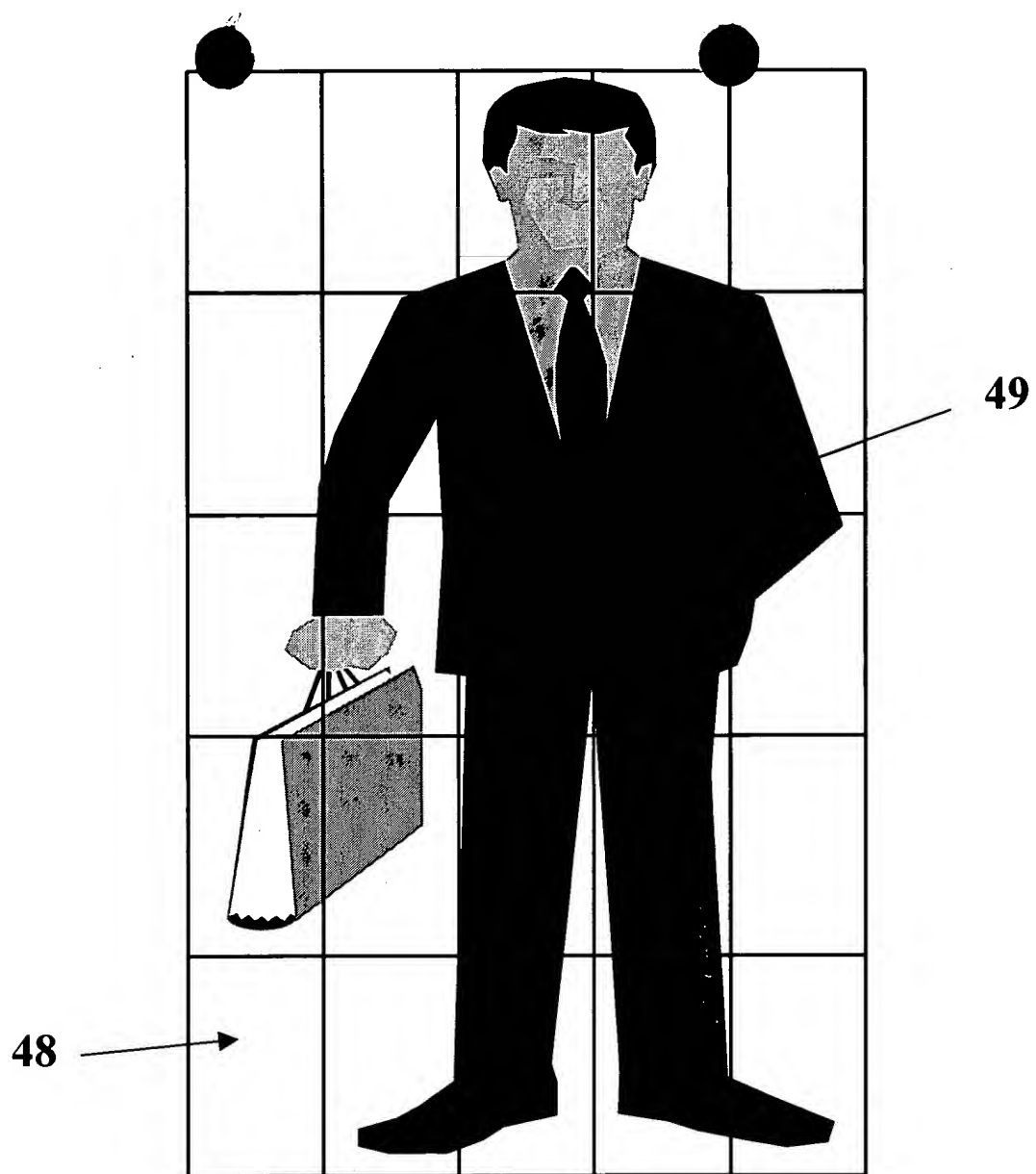
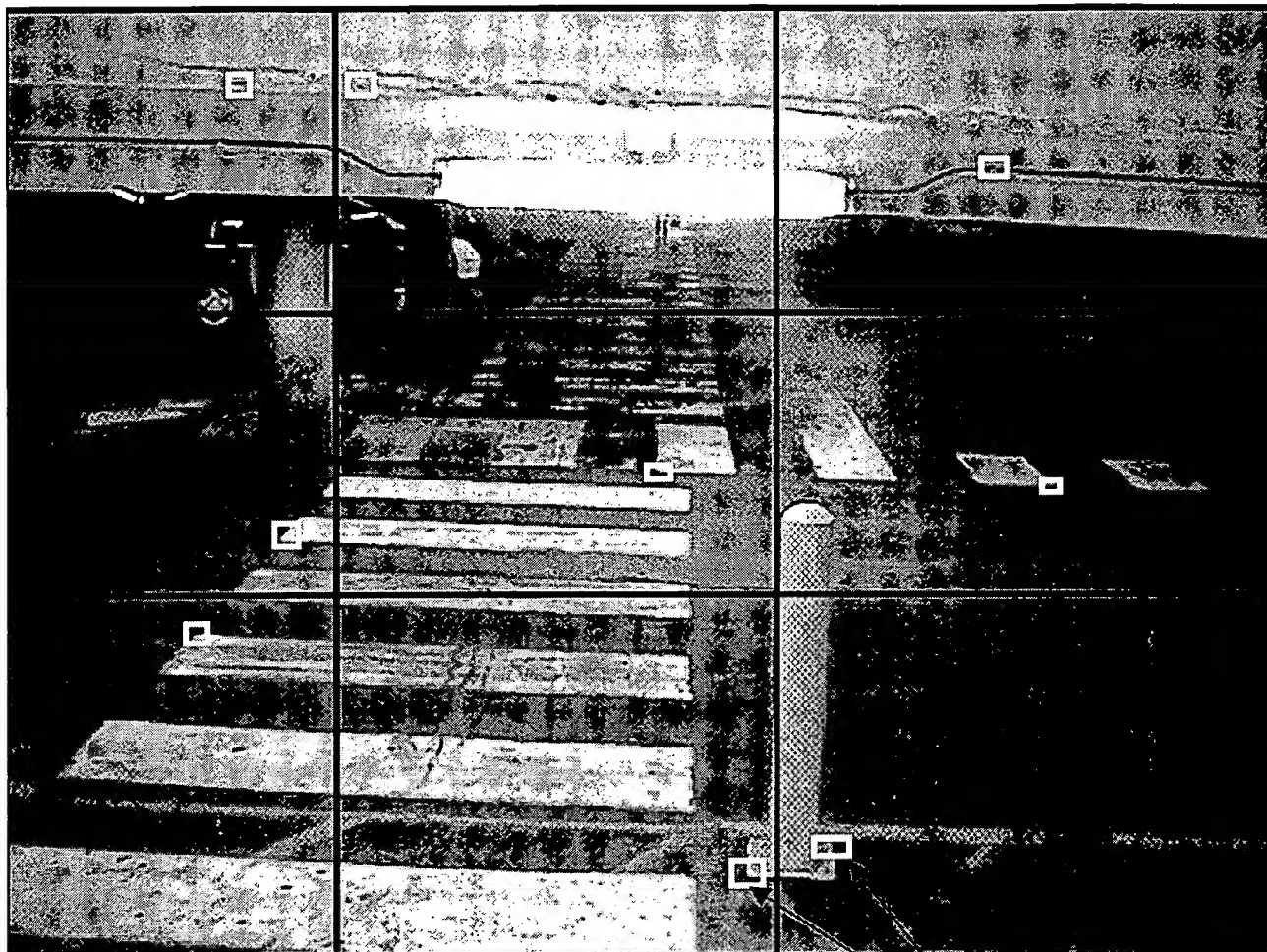
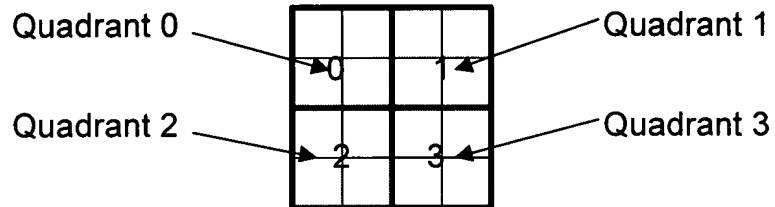


FIG. 3



50

FIG. 4



Basic 4 X 4 Kernel With
four 2X2 quadrants

0	1
2	3

Pixel Numbers in each
quadrant

FIG. 5

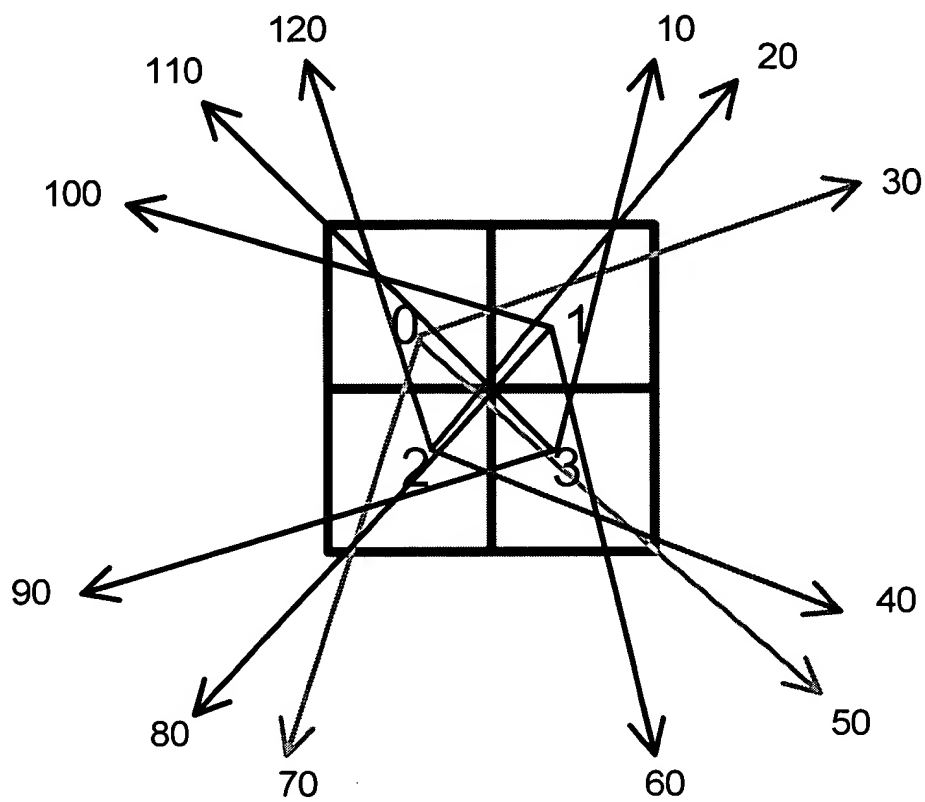


FIG. 6

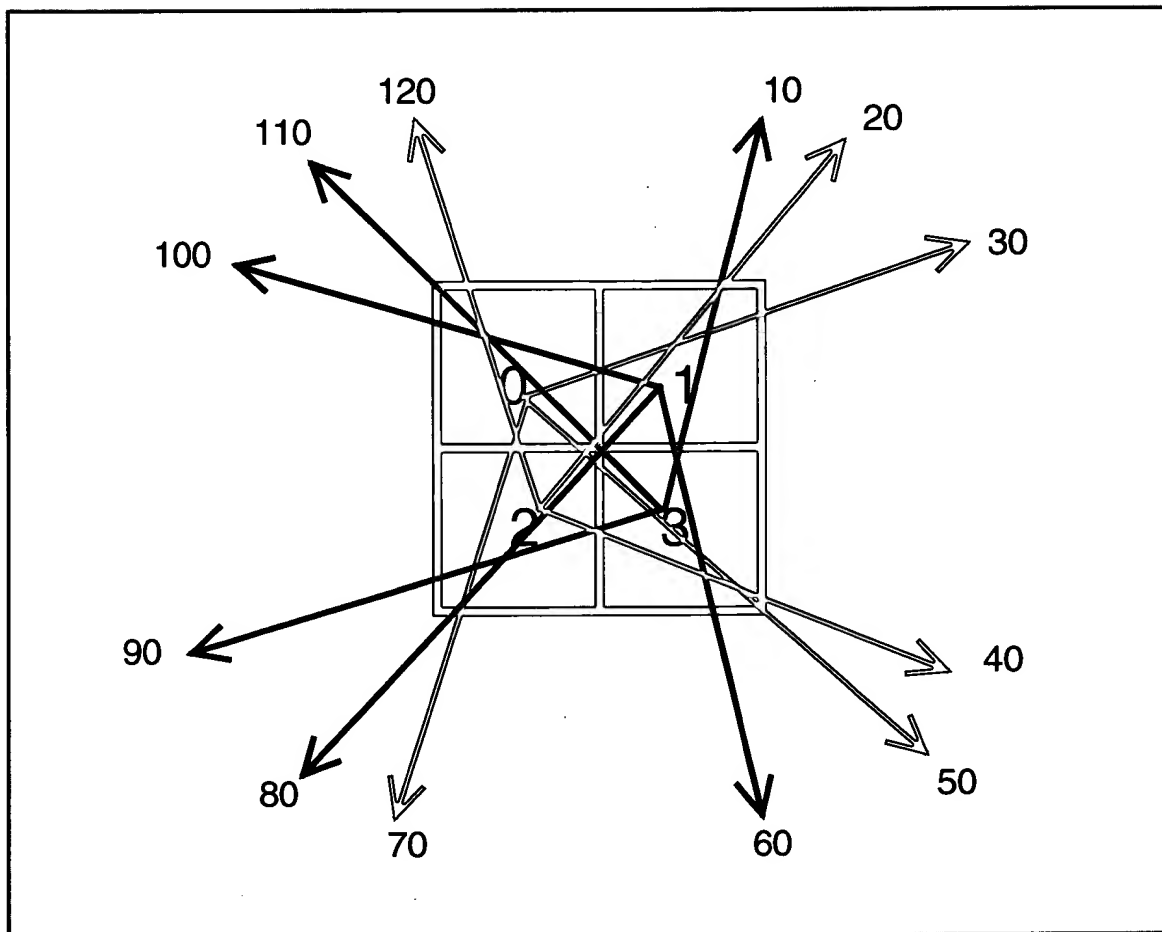


FIG. 6

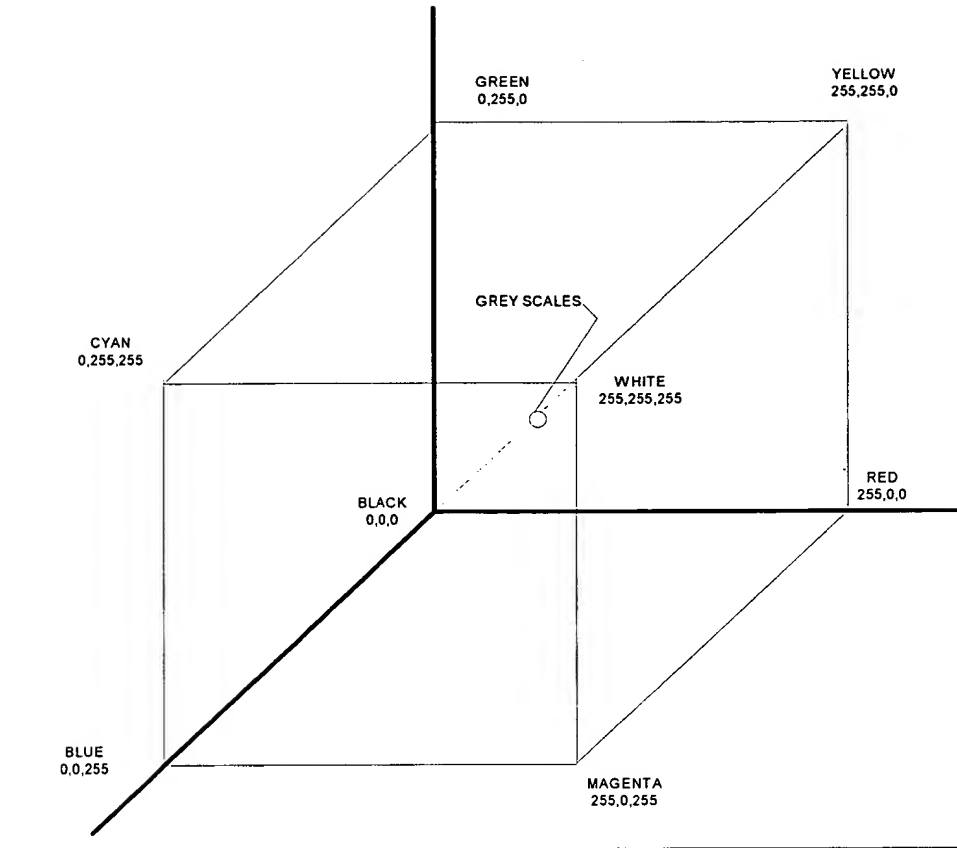


FIG. 7

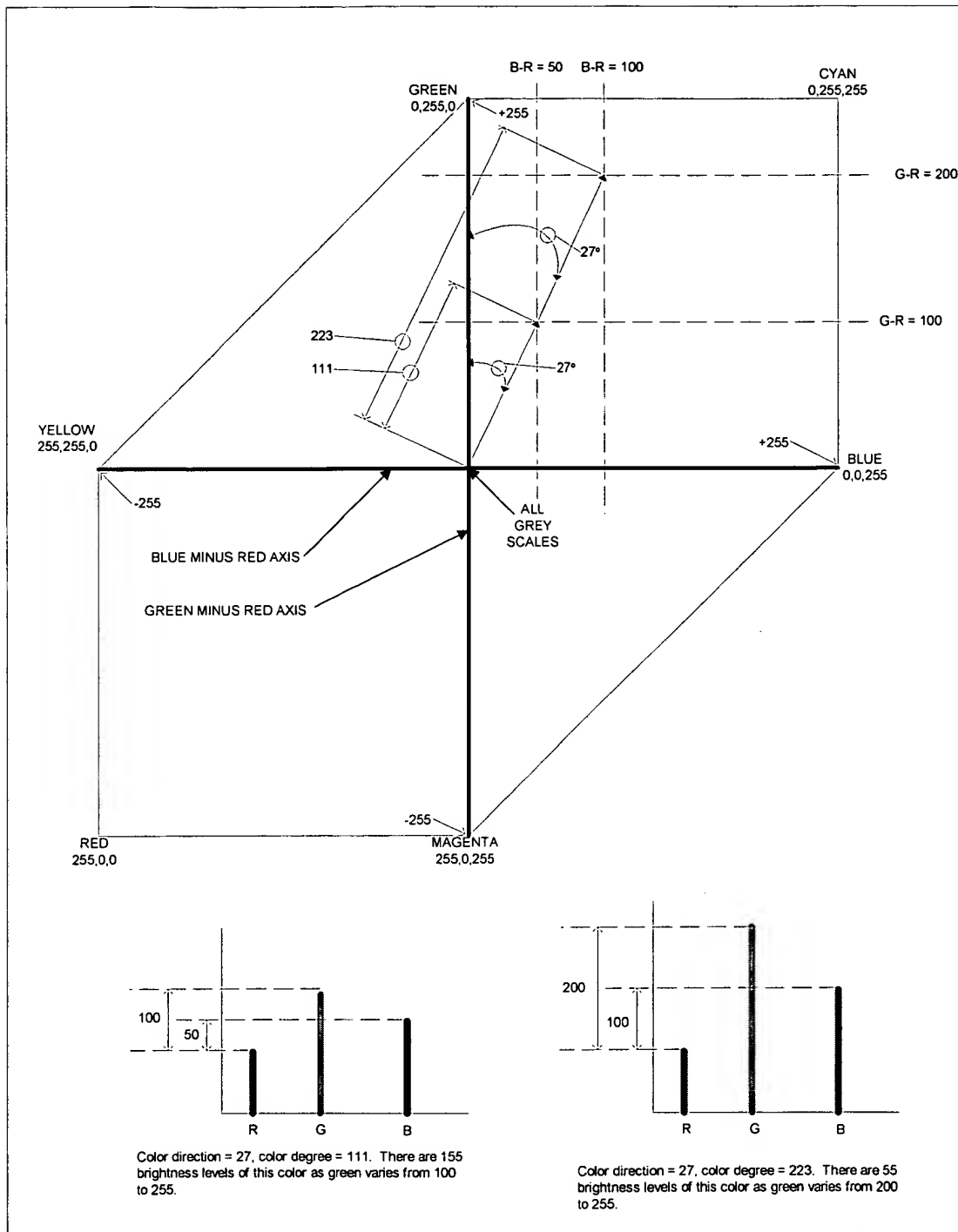


FIG. 8

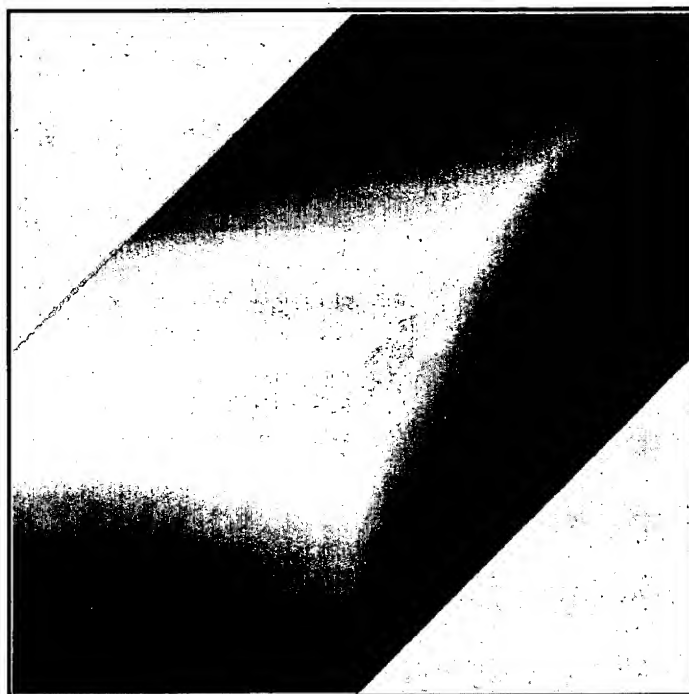


FIG. 9

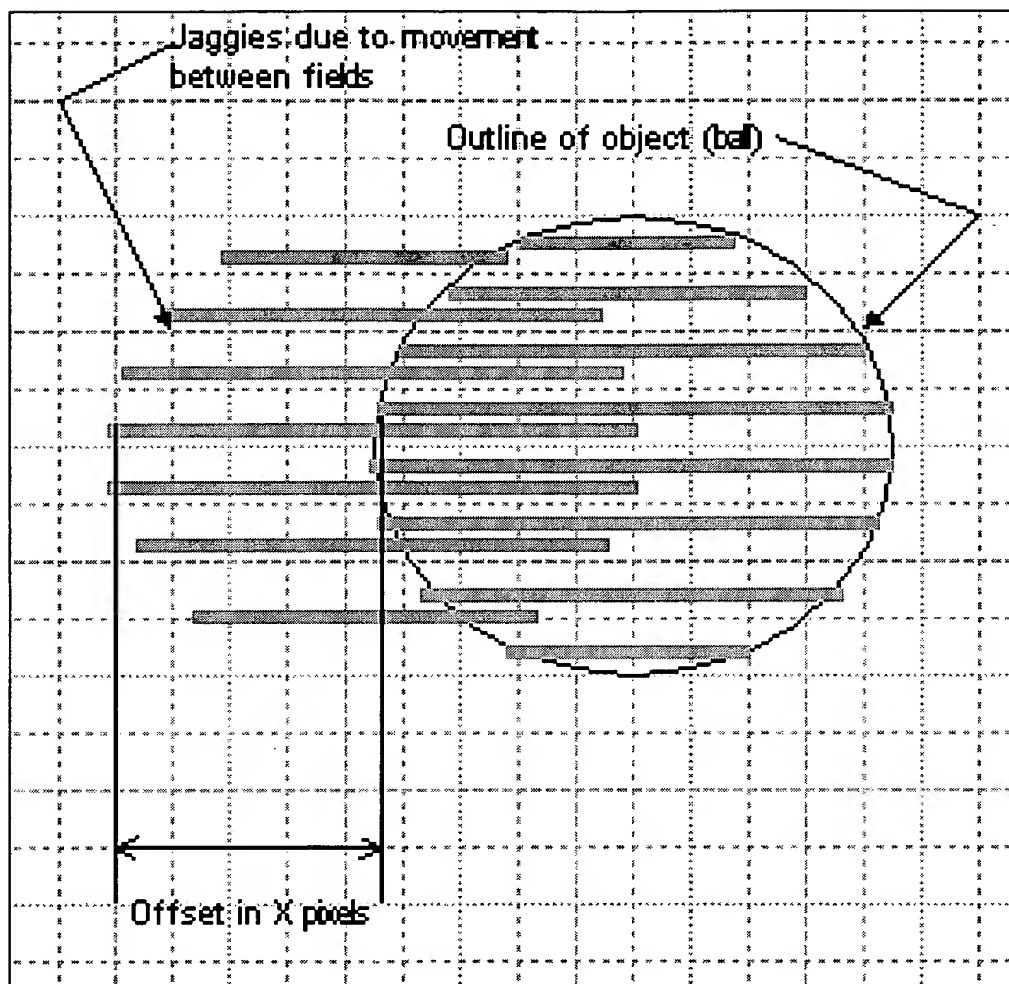


FIG. 10



FIG. 11

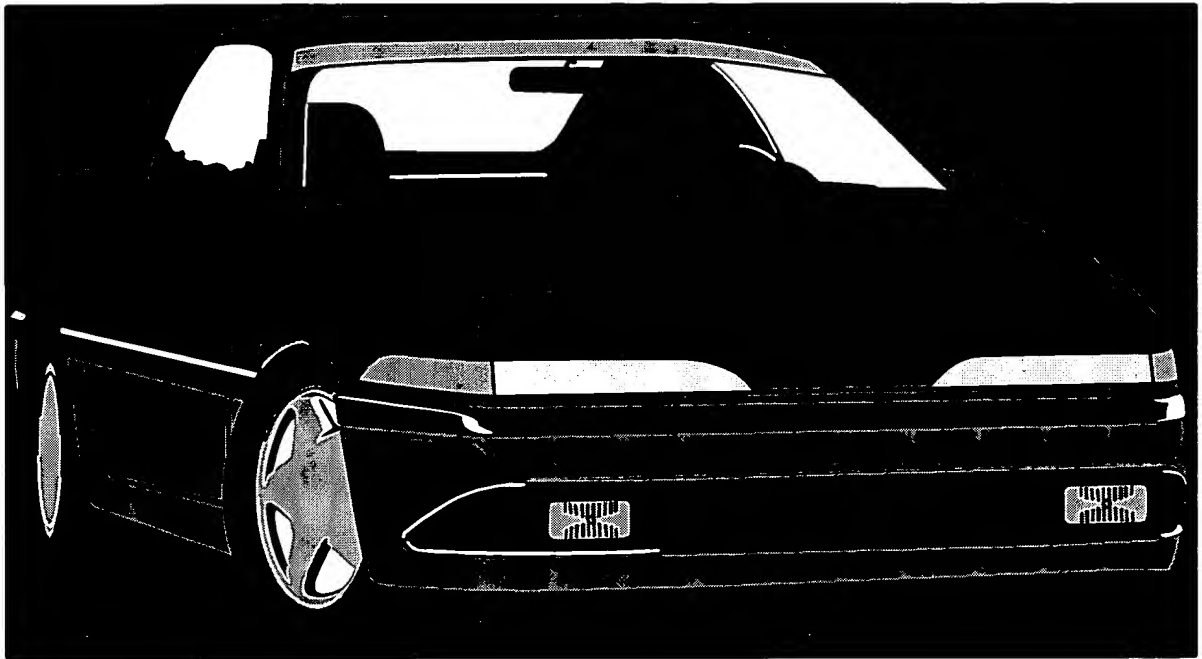


FIG. 12

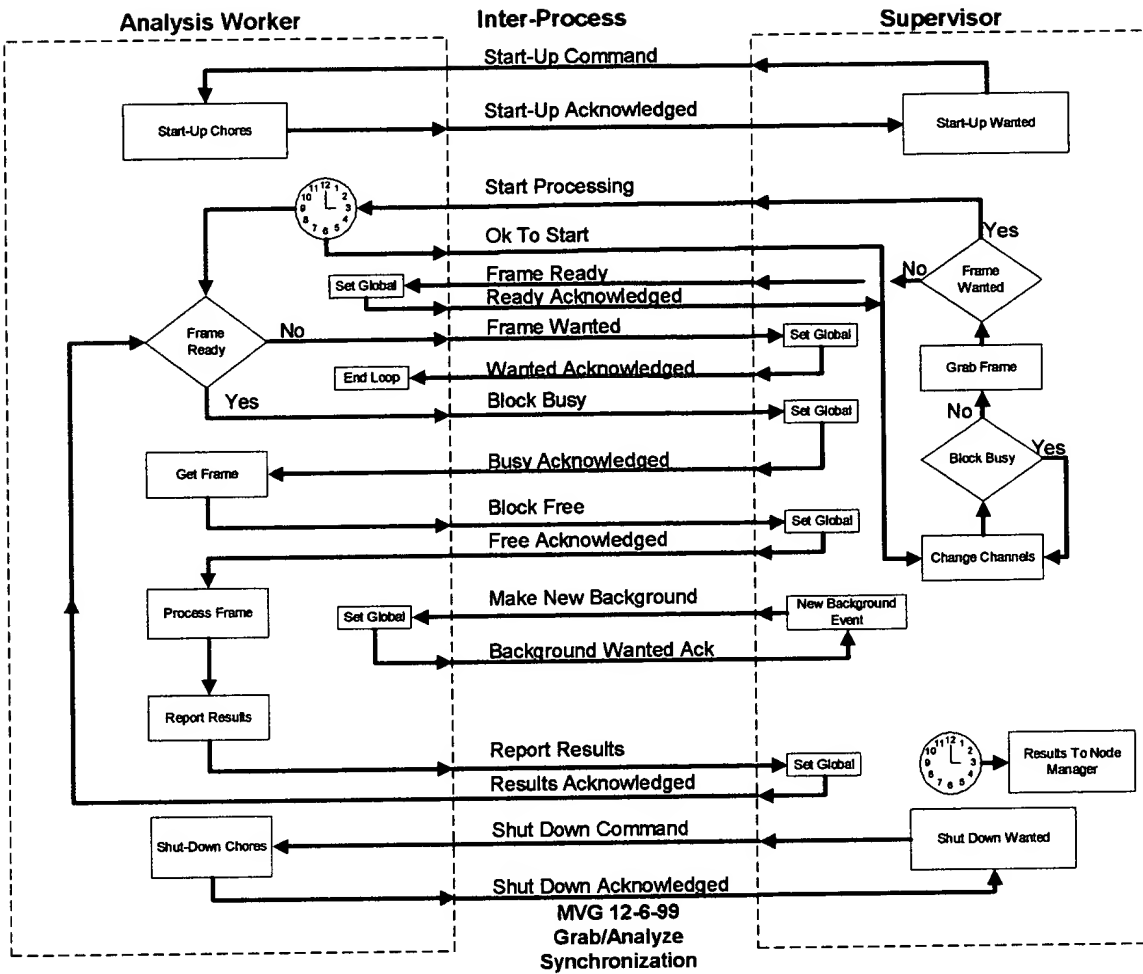


Fig 13

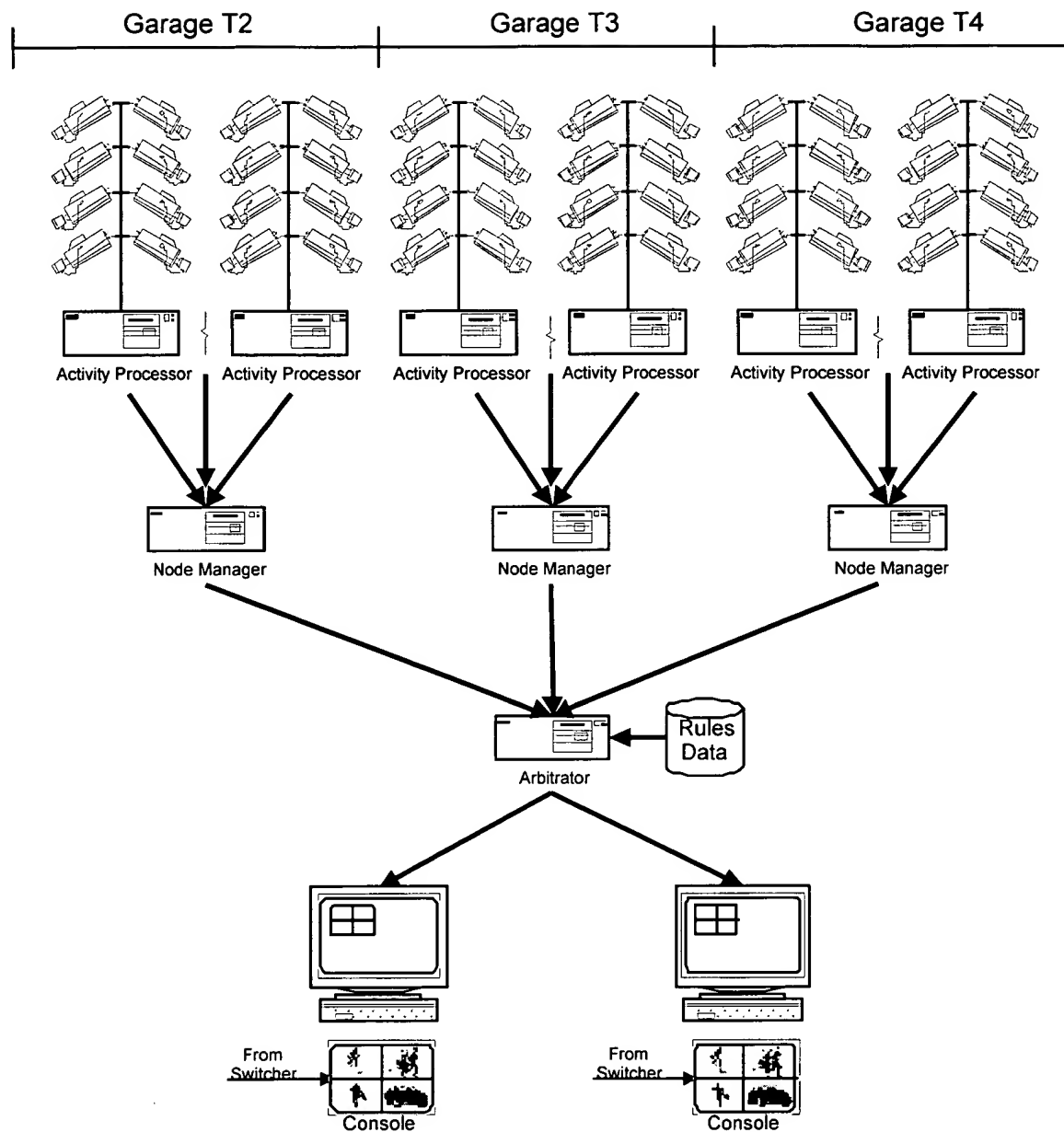


FIG. 14